

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTY. DOCKET NO. 4770-37	SERIAL NO. 10/588,216
	APPLICANT JACKSON et al.	
	FILING DATE October 15, 2003	GROUP ART 3673

59	72.	4,884,847	12/05/89	Bessinger et al.	299	1	
	73.	4,921,307	05/01/90	Braun et al.	299	34	
	74.	4,921,309	05/01/90	Harrison	299	75	
	75.	4,957,606	09/18/90	Juvan	204	164	
	76.	4,958,696	09/25/90	Lerchbaum	180	6.7	
	77.	4,966,417	10/30/90	Zitz et al.	299	33	
	78.	5,007,683	04/16/91	Granskog	299	10	
	79.	5,050,934	09/24/91	Brandl et al.	299	33	
	80.	5,072,994	12/17/91	Brandl et al.	299	67	
	81.	5,098,166	03/24/92	Ebner et al.	299	81	
	82.	5,103,705	04/14/1992	Bechem	83	491	
	83.	5,108,154	04/28/92	Brandl et al.	299	76	
	84.	5,121,971	06/16/92	Stolarczyk	299	1.6	
	85.	5,161,857	11/10/92	Mayercheck et al.	299	30	3/10/10
	86.	5,178,494	01/12/93	Zitz et al.	405	290	
	87.	5,181,934	01/26/93	Stolarczyk	299	1.2	
	88.	5,190,353	03/02/1993	Bechem	299	86	
	89.	5,228,552	07/20/93	Brandl et al.	198	515	
	90.	5,268,683	12/07/93	Stolarczyk	340	854.4	
	91.	5,333,836	08/02/94	Zitz	299	64	
	92.	5,340,199	08/23/94	Piefenbrink et al.	299	10	
	93.	5,368,369	11/29/94	Malty et al.	299	11	
	94.	5,438,517	08/01/95	Sennott et al.	364	449	
	95.	5,439,274	08/08/95	Krueckl	299	59	
	96.	5,513,903	05/07/96	Mraz	299	18	

EXAMINER <i>Suril Singh</i>	DATE CONSIDERED <i>3/18/05</i>
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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SS	97.	5,557,979	09/24/96	Krassnitzer et al.	74	377	
	98.	5,582,467	12/10/96	Drolet et al.	299	33	
	99.	5,685,615	11/11/1997	Bechem et al.	299	110	
	100.	5,752,572	05/19/1998	Balden et al.	175	26	
	101.	5,810,447	09/22/98	Christopher et al.	299	30	
	102.	5,896,938	04/27/99	Moery	175	1	
	103.	5,939,866	08/17/99	Schiffbauer et al.	340	573.1	
	104.	5,964,305	10/12/1999	Arzberger et al.	175	91	
	105.	5,992,941	11/30/99	1999 Delli-Gatti, Jr.	299	64	CE 3/10/10
	106.	5,999,865	12/07/99	Bloomquist et al.	701	25	
	107.	6,027,175	02/22/00	Seear et al.	299	18	
	108.	6,058,029	05/02/00	Itow et al.	363	59	
	109.	6,062,650	05/18/00	Smith et al.	299	1.4	
	110.	6,109,699	08/29/00	Mraz	299	10	
	111.	6,139,477	10/31/2000	Bechem et al.	483	1	
	112.	6,164,388	12/26/00	Martunovich et al.	175	1	
	113.	6,206,476	03/27/01	Uehara et al.	299	33	
	114.	6,215,734	04/10/01	Moery	367	147	
	115.	6,224,164	05/01/01	Hall et al.	299	75	
	116.	6,244,664	06/12/01	Ebner et al.	299	60.1	
	117.	6,257,671	07/10/01	Siebenhofer et al.	299	1.6	
	118.	6,308,787	10/30/01	Afr	175	48	
	119.	6,315,062	11/13/01	Afr et al.	175	45	
	120.	6,431,653 B1	08/13/002	Kleuters	299	31	
	121.	6,505,892 B1	01/14/2003	Walker et al.	299	32	

EXAMINER <i>Sanil Singh</i>	DATE CONSIDERED 3/16/05
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Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	10688216
				Filing Date	10/15/03
				First Named Inventor	Jackson
				Art Unit	3673
				Examiner Name	SINGH, SUNIL
Sheet	1	of	1	Attorney Docket Number	4770-37

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number-kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee of Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	1	919,105	4/20/1909	Wischow	
	2	1,365,748	1/18/1921	Thom	
	3	3,620,573	4/10/1969 11/1971	Desmond De Villiers Oxford	
	4	4,123,109	10/31/1978	Hill	
	5	4,213,653	7/22/1990	Grenia	
	6	4,293,077	10/6/1981	Makino	
	7	4,330,155	5/18/1982	Richardson et al.	
	8	4,523,651	6/18/1985	Coon et al.	
	9	5,662,387	9/2/1997	Bartkowiak	
	10	6,304,973	10/16/2001	Williams	
	11	6,431,654	8/13/2002	Kleuters	
	12	2004/0207247	10/21/2004	Jackson et al.	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ ; Number ⁴ ; Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶

OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)		
Examiner Initials*	Cite No. ¹	
	13	Asbury et al., "A New Concept for Selective Mechanical Mining of Hard Rock", date unknown
	14	Friant et al., "Mini-Cutter Technology - The Answer To A Truly Mobile Excavator", Proceedings of North American Tunneling 1994 Conference and Exhibition; Denver, Colorado, June 6-9, 1994; 8 pages
	15	Ronnkvist et al., "Development Of A Mechanical Alcove Excavator For the Yucca Mountain Exploratory Study Facility", 6 pages, date unknown
	16	Ronnkvist et al., "Testing And Performance Evaluation Of A 32 Inch Cutterhead Using Mini Disc Cutters", Proceedings of ISDT Annual Technical Conference 1994; Las Vegas, Nevada; April 18-21, 1994; 8 pages
	17	Rostami et al., "Mini-Disc Equipped Roadheader Technology for Hard Rock Mining", p. 16-1 to 16-12, Golden, Colorado, date unknown

Examiner Signature	/Sunil Singh/	Date Considered	02/21/2010
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ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /S.S./

1449 2-20-10

4pgs.